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Consultants and Engineers
(Building, Geo-Tech & Road Materials Testing Laboratory)

#B9-003, GANGA, Jnanabharathi Enclave,
Valagerahalli, Mysore Road, Bangalore 560059
Ph: 9448853634, 8762194386.
Email: sapiencebangalore@gmail.com

Name of Work :Comprehensive development of Roads and Drains in Ward no 17 Rajarajeshwari Nagara Assembly Constituency Under PACKAGE - 2019-20-RRN-DIV(03)

Name of Client	:	: Executive Engineer, RR Naga Division,BBMP, Bangalore.
Contractor/Agency	:	SSri. H B Rajendra, Contractor, Bangalore.
Total Cost	:	Rs. 51.32 Lakhs
Date of Inspection	:	30.03.2021
Status of Bill	:	1st and part Bill
In the Presence of	:	(a) Assistant Engineer , BBMP, Bangalore.
	:	(b) Mr. Abhilash, Engineer M/S Sapience Consultants and Engineers, Bangalore

Sl.No	Description of the Item	Unit	Qty		Comments / observations
1	Earthwork in surface excavation in ordinary soil for levelling and lowering the ground manually (other than foundation of buildings, culverts, road drains and trenches of pipe lines and cables) and	Cum	3.948	:	Work done up to the billed quantity and Quality is satisfactory
2	Earthwork excavation for foundation of buildings, water supply, sanitary lines and electrical conduits either in pits or in trenches 1.5m and above in width, in hard soil not exceeding 1.5 m. in depth	Cum	68.38	:	Work done up to the billed quantity and Quality is satisfactory
3	Providing and laying in position plain cement concrete of mix 1:3:6 with OPC cement @ 220kgs, with 40mm and down size graded granite metal coarse aggregates @0.892cum and fine aggregates	Cum	10.95	:	Work done up to the billed quantity and Quality is satisfactory
4	Providing and constructing granite / trap / basalt size stone masonry in foundation with cement mortar 1:6, stone hammerd dressed in courses not less than 20 cms high, bond stones at two m. apart	Cum	23.31	:	Work done up to the billed quantity and Quality is satisfactory

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Sl.No	Description of the Item	Unit	Qty		Comments / observations
5	Providing and constructing granite / trap / basalt size stone masonry in basement with cement mortar 1:6, edges of stones chistle dressed in courses not less than 15 cms high, bond stones at	Cum	24.86	:	Work done up to the billed quantity and Quality is satisfactory
6	Providing flush pointing to square rubble, course or uncoursed stone masonry with cement mortar 1:3, 20mm deep, after raking joints to depth of 20mm nicely lining, including cost of materials,	Sqm	37.72	:	Work done up to the billed quantity and Quality is satisfactory
7	Providing and filling sand in foundation upto plinth to required depth for sub soil treatment including watering ramming with all lead and lift complete as per specifications.specification. No. KBS 2.10.2	Cum	158.3	:	Work done up to the billed quantity and Quality is satisfactory
8	Providing and injecting chemical emulsion for Pre- constructional Anti-Termite Treatment, creating continuous chemical barrier under and around the column pits, walls, trenches, basement	Sqm	128.7	:	Work done up to the billed quantity and Quality is satisfactory
9	Providing and laying in position reinforced cement concrete of Design mix M25 with OPC cement @ 340kgs, with 20mm and down size graded granite metal coarse aggregates @0.70 cum and fine	Cum	3.605	:	Work done up to the billed quantity and Quality is satisfactory
10	Providing and laying in position reinforced cement concrete of design mix M25 with OPC cement @ 340kgs, with 20mm and down size graded granite metal coarse aggregates @0.70cum and fine	Cum	5.706	:	Work done up to the billed quantity and Quality is satisfactory
11	Providing and removing centering, shuttering, strutting, propping etc., and removal of form work for vertical surface such as walls at any thickness, including attached pilasters, buttresses, plinth cills	Sqm	33.4	:	Work done up to the billed quantity and Quality is satisfactory
12	KSRB 4-6.2 : Providing and removing centering, shuttering, strutting, propping etc., and removal of form work for suspended floors, landings, balconies and likes, thickness upto 200 mm	Sqm	26.32	:	Work done up to the billed quantity and Quality is satisfactory
13	Providing and removing centering, shuttering, strutting, propping etc., for edges of slabs and breaks in floor including cost of all materials, labour complete as per specifications. Specification	Sqm	3.09	:	Work done up to the billed quantity and Quality is satisfactory

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Sl.No	Description of the Item	Unit	Qty		Comments / observations
14	Providing T.M.T steel reinforcement for R.C.C work including straightening, cutting, bending, hooking, placing in position, lapping and / or welding wherever required, tying with binding wire	ton	1.18	:	Work done up to the billed quantity and Quality is satisfactory
15	Providing and constructing load beating wall with solid concrete blocks of size 400x200x200 mm having block density not lessthan 1800 kg/m3 and having a minimum average compressive strength	Sqm	60.33	:	Work done up to the billed quantity and Quality is satisfactory
16	Providing 18mm thick cement plaster in single coat with cement mortar 1:6, to brick masonry including rounding off corners wherever required smooth rendering, : Providing and removing	Sqm	74.428	:	Work done up to the billed quantity and Quality is satisfactory
17	Providing 15mm thick cement plaster in single coat with cement mortar 1:4, to brick masonry including rounding off corners wherever required smooth rendering, : Providing and removing	Sqm	53.19	:	Work done up to the billed quantity and Quality is satisfactory
18	Providing 12mm thick cement plaster in single coat with cement mortar 1:4, to ceiling including rounding off corners wherever required smooth rendering, : Providing and removing scaffolding,	Sqm	19.8	:	Work done up to the billed quantity and Quality is satisfactory
19	Providing lime rendering for plastering to wall and ceiling, including cost of materials, labour, curing complete as per specifications. as per the direction of Engineer in charge	Sqm	72.99	:	Work done up to the billed quantity and Quality is satisfactory
20	Providing and applying two coats with oil bound washable distemper of approved brand and shade on wall surface including priming coat with distemper primer after throughly brooming the	Sqm	72.99	:	Work done up to the billed quantity and Quality is satisfactory
21	Providing and finishing external walls in two coats with waterproof cement paint of approved brand and shade to give an even shade after throughly brooming the surface to remove all dirt and loose	Sqm	74.428	:	Work done up to the billed quantity and Quality is satisfactory
22	Providing and laying Hassan Green granite flooring for staircase, treads and rises using pre polished 20 mm thick water cut green Granite slab laid over existing cement concrete bed in CM 1:3,	Sqm	23.76	:	Work done up to the billed quantity and Quality is satisfactory

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Sl.No	Description of the Item	Unit	Qty		Comments / observations
23	Providing and fixing in position aluminium windows and ventilators as per approved drawings with sliding shutters using three track window frame of size 92x31.75mm bottom section 1.3mm	Sqm	0.72	:	Work done up to the billed quantity and Quality is satisfactory
24	Providing and fixing M.S.Grill work for windows and ventilators weighing 21kg/sqm using M.S.Flats, or M.S.Squared rods, or combination of M.S.Flats and square rods as per approved design,	Sqm	28.8	:	Work done up to the billed quantity and Quality is satisfactory
25	Providing and Applying enamel metal Paint two coats (excluding priming coat) over new steel or other metal surface brushing to give an even shade after cleaning oil, grease, dirt and other foreign	Sqm	1.44	:	Work done up to the billed quantity and Quality is satisfactory
26	For roof slab & terraces Providing & applying water proofing to roof slab, terraces, landscape area, podium etc., using modified polyurethane cures (conforming to ASTM C836-84) to give a	Sqm	26.32	:	Work done up to the billed quantity and Quality is satisfactory
27	Providing and fixing 1mm thick M.S. sheet garage door with frame and diagonal braces of size 40x40x6 mm angle Iron, 3.15mm thick M.S. Gusset plates at the junctions and corners, with	Sqm	7.14	:	Work done up to the billed quantity and Quality is satisfactory
28	Loading and Unloading of Stone Boulder / Stone aggregates /Sand/ Kanker / Moorum. Placing tipper at loading point, loading with front end loader,dumping, turning for return trip, excluding	Cum	36.162	:	Work done up to the billed quantity and Quality is satisfactory
29	Providing and fixing pre cast solid concrete kerb stones of size 450x150x500 mm made out of CC 1:2:4 and finished with CM 1:3 plastering and finishing cutting ete., complete. as per the direction	No's	830	:	Work done up to the billed quantity and Quality is satisfactory
30	Painting two coats after filling the surface with synthetic enamel paint in approved shades on new plastered concrete surfaces, with materials, labour complete as per specifications. MORTH Chapter 8	Sqm	149.32	:	Work done up to the billed quantity and Quality is satisfactory
1	Providing and laying heavy duty cobble stones 75mm thick interlock pavers, using cement and course sand for manufacture of blocks of approved size, shape and colour with a minimum	Sqm	1003.5	:	Work done up to the billed quantity and Quality is satisfactory

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Sl.No	Description of the Item	Unit	Qty		Comments / observations
32	Providing precast chequered mosaic tiles white colour fot steps and flooring, 20mm thick, using marble chips of 7 to 10 nominal size laid on a bed of 12mm thick cement mortar 1:3 mix, and jointed	Sqm	332	:	Work done up to the billed quantity and Quality is satisfactory
33	Fabricating, supplying & erecting M.S. Angulat Truss for all spans as per approved designs and drawing. The entire truss is anchored suitably by using 4 Nos. of M.S. anchor bolts at each support,	Sqm	7377.8	:	Work done up to the billed quantity and Quality is satisfactory
34	Supplying and fixing new Mangalore tiles on existing reepers as per the direction of Engineer in charge	Sqm	113.5	:	Work done up to the billed quantity and Quality is satisfactory
35	Supplying and fixing polished grey granite slab benches of size 5 feet width of seating slab with bottom slab of 75mm th. with 1.5 feet width with two stands strong base with back slab (suport)	Sqm	18	:	Work done up to the billed quantity and Quality is satisfactory
36	for Pargola as per the direction of Engineer in charge	Sqm	2	:	Work done up to the billed quantity and Quality is satisfactory

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Authorised Signatory

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